



DELIVERING THE POWER OF INFORMATION

TRANSFORMING THE NATIONAL DEFENSE TEAM

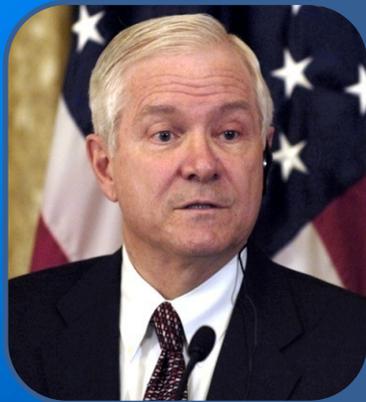
Margaret E. Myers
Office of the DoD Deputy Chief Information Officer
(703) 695-0871
margaret.myers@osd.mil

TRANSFORMING NATIONAL DEFENSE -NET-CENTRIC



NATIONAL SECURITY STRATEGY

Transform America's national security institutions to meet the challenges and opportunities of the twenty-first century.



NATIONAL DEFENSE STRATEGY

We will conduct **network-centric operations** with compatible information and communications systems, usable data, and flexible operational constructs.

Beyond battlefield applications, a **network-centric force** can increase efficiency and effectiveness across defense operations, intelligence functions, and business processes...

Transforming to a network-centric force requires fundamental changes in process, policy, and culture.



NATIONAL MILITARY STRATEGY

...creation of a collaborative information environment that facilitates information sharing, effective synergistic planning, and execution of simultaneous, overlapping operations... on demand to defense policymakers, warfighters and support personnel.

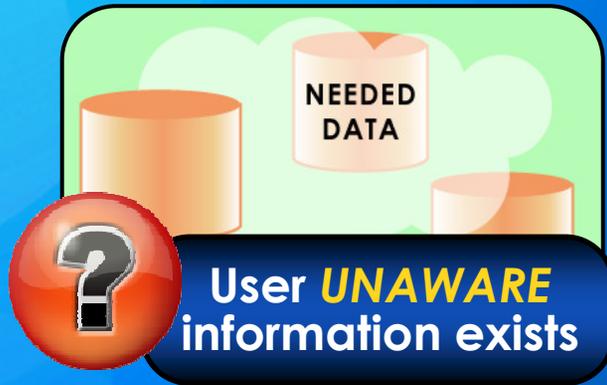
NET CENTRICITY – DELIVERING THE POWER OF THE INFORMATION AGE TO OUR WARFIGHTERS



Goals:

- Build the net*
- Populate the net*
- Operate the net*
- Protect the net*

CURRENT INFORMATION SHARING CHALLENGES



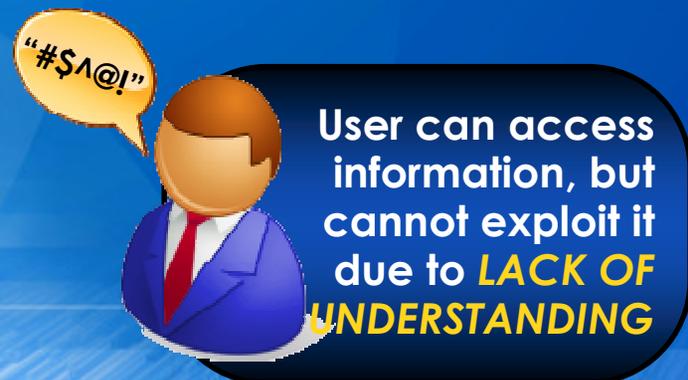
A diagram showing a green rounded rectangle containing three orange cylinders of varying heights. The tallest cylinder is labeled "NEEDED DATA". To the left of the cylinders is a red circle with a white question mark. Below the green rectangle is a dark blue rounded rectangle with white text.

User **UNAWARE** information exists



A diagram showing a green rounded rectangle containing a yellow padlock in front of a cylinder labeled "NEEDED DATA". Below the green rectangle is a dark blue rounded rectangle with white text.

User knows it exists, but **CANNOT ACCESS IT**



A diagram showing a man in a blue suit with a red tie. A speech bubble above him contains the symbols "#\$!@!". To the right of the man is a dark blue rounded rectangle with white text.

User can access information, but cannot exploit it due to **LACK OF UNDERSTANDING**

NET-CENTRIC DATA STRATEGY TENETS

IMPLEMENTATION APPROACHES

Visible 

Advertise Information Holdings ("Tag" Data)

Accessible 

**Web Enable Sources
Remove Impediments —
"Need to Share"**

Understandable 

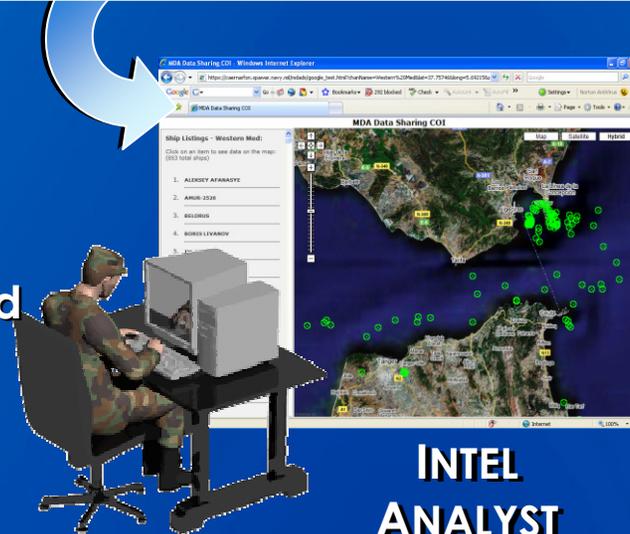
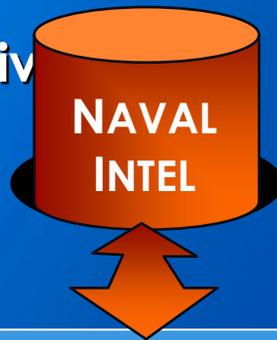
**Communities of Interest (COIs) —
Common Vocabularies**

MARITIME DOMAIN AWARENESS (MDA) COI PILOT

Gain knowledge of global maritime environment through net-centric exploitation of legacy Automatic Identification System (AIS) sources from Navy (DoD), Coast Guard (DHS), Department of Transportation (DoT)

Eight Month Effort to Deliver Capability:

- Sources tagged with discovery metadata (**VISIBLE**)
- Web services provide source data to user portals (**ACCESSIBLE**)
- Common vocabulary, schema describes shared information (**UNDERSTANDABLE**)



INTEL ANALYST



HOMELAND SECURITY ANALYST

IMPROVED AWARENESS FROM FUSION OF DISPARATE SOURCES

EXAMPLES OF ADDITIONAL NET-CENTRIC INFORMATION SHARING OPPORTUNITIES UNDERWAY

BLUE FORCE TRACKING COI

- **Developing pilot capability to fuse information from multiple systems so joint/multinational forces can identify blue forces in area of interest to enhance situational awareness and reduce fratricide**

STRIKE COI

- **Developing and piloting a small common core vocabulary for “what, where, when” of blue forces within a designated vicinity of a planned Strike mission from current timeframe to 12 hours in the future**

IT MANAGEMENT COI

- **Developing a pilot to “pull” IT management data from the Military Service systems to produce the DoD FISMA C&A report using SCAP**

**UNANTICIPATED USERS CAN
EXPLOIT THE POWER OF INFORMATION**

THE MISSION ASSURANCE IMPERATIVE:
SUCCEEDING AT BOTH INFORMATION
SHARING AND INFORMATION ASSURANCE



MISSION ASSURANCE ... RAISING THE BAR

We Continue to Make Progress

- **GIG IA Architecture v 1.1 published**
- **Over 12 Million Served ... and now serving the “HSPD-12 CAC”**
- **Cryptographic Log-on – Improving the security of our networks**
- **Configuration Management ... Microsoft Vista**
- **Pilot standards-based (SCAP) technologies**
- **Biometrics EXCOM**
- **Improving Force Protection**
- **Wireless Security/Authentication**

MISSION ASSURANCE ... RAISING THE BAR

But Opportunities Still Abound ...

- **Improving the security and sustainability of our networks**
- **Continuity of Operations**
- **Aligning testing efforts/certification and accreditation**
- **Alignment with Industry Partners**
- **Expanding Identity Management Efforts**
 - **Attribute-based Access Control (EIEMA effort)**
- **Privacy – Data At Rest; Privacy Impact Assessments**
- **Continuing to align and expand our Biometrics efforts**
- **Telling the story – results-oriented/mission effectiveness**
- **Globalization – Software Assurance**
- **Risk Management**

“I CAN GET THE INFORMATION I NEED” NET-CENTRIC INFORMATION ENVIRONMENT

WHEN I need it



WHERE I need it



HOW I need it



BETTER DECISIONS FASTER – DECISIVE ACTIONS SOONER

THE POWER OF INFORMATION ... ACCESS SHARE COLLABORATE



Margaret E. Myers

Office of the DoD Deputy Chief Information Officer

(703) 695-0871

margaret.myers@osd.mil